

Joshua “Josh” Preston

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Summary Graduating senior Georgia Tech BME student with experience in medical equipment development and academic research seeking a full-time position developing, manufacturing, or testing medical technology beginning Spring 2020. Experience within teams deploying medical equipment, managing communities, academic research, product development, technical writing, and public speaking.

Education

2017-current **Georgia Institute of Technology GPA 3.57**

Bachelor’s Degree in Biomedical Engineering, Pre-Medical with Research Depth Elective option, anticipated graduation May 2020

2015-2017 **University of West Georgia GPA 4.0**

Dual-Enrolled, obtained research and tutoring experience. Co-authored two academic journal articles published in Applied Physics A and Renewable and Sustainable Energy Reviews.

Skills

Proficient in MATLAB, SolidWorks, laser alignment, micro-probing station, inert glove box, spin-coating, atomic layer deposition, scanning electron microscopy, technical writing. Basic coding skills in Arduino, C++, Java, Python. Experience with multimeters, oscilloscopes, inventory management software, healthcare billing software, medical equipment repairs and deployment, machining, prototyping, customer service, teambuilding, community building.

Professional Experience

2018 – current **Research Assistant to Dr. Cola**, Georgia Institute of Technology NEST Lab

Manufacture and characterize carbon nanotube rectenna devices, prepare biweekly project updates, present technical results to research team and make suggestions for future project directions

2018 – current **Peer Leader**, Georgia Institute of Technology

Build community in freshmen residence halls, attend weekly planning meetings, enroll in leadership training course / summer training

Summer 2018 **Durable Medical Equipment Service Technician**, Wyatt’s Pharmacy

Repair and assemble medical equipment, provide customer service, communicate with manufacturers for warranty claims and replacement parts, work with peers to maintain organization and inventory.

2016 – 2017 **Research Assistant to Dr. DeSilva**, University of West Georgia Physics Department

Manufacture and test thin-layer, organic solar cells, report findings to Dr. DeSilva and present conclusions at UWG Scholar’s Day (oral presentation).

2016 – 2017 **Math Peer Tutor**, University of West Georgia Math Department

Teach small groups of students in College Algebra & Pre-Calculus, perform large-group review sessions, submit weekly progress reports and summaries to supervising professor

Service and Activities

2017 – current Georgia Tech Baptist Collegiate Ministry (BCM)

- Participate in weekly worship and Bible studies
- Volunteering with pancake night and outreach events
- Planning outreach and community engagement events

2015 – current Bill Arp Elementary STEM Day volunteer

2009 – current First Presbyterian Church Douglasville, GA

- Service projects to community: Atlanta Dream Center; Stop Hunger Now; Douglas County Day of Service; Operation Christmas Child; Adopt-A-Block
- Service projects to church: nursery volunteer; Vacation Bible School volunteer; audio-visual production volunteer